THE MINISTER OF STATE IN THE DEPARTMENT OF POWER AND MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRIMATI SUSHILA ROHATGI): (a) Yes, Sir.

(b) Petroleum Conservation Research Association (PCRA), set by the Government in 1976, has been carrying out field studies in the organised sectors of industry and road transport, and education campaign in the unorganised sectors of transport, domestic and agriculture. Besides, PCRA has sponsored development of fuel efficient equipment and devices such as:

(i) fuel efficient low air pressure industrial film burner;

(ii) Nutan kerosene wick stove with a thermal efficiency of 60 per cent; and

(iii) Nutan LPG Burner with a thermal efficiency of 70 per cent.

In the agricultural sector, PCRA initiated rectification of lift irrigation pumpsets. During the last two years, 190 diesel driven lift irrigation pumpsets were rectified resulting in diesel saving of around 30 per cent in these pumpsets.

Against a cumulative expenditure of Rs. 5 crores since the inception of PCRA, a saving of petroleum products worth Rs. 150 crores per annum has been achieved by the various conservation activities of PCRA. In the industrial sector alone an annual recurring saving of fuel oil worth Rs. 110 crores has been achieved through efforts of PCRA and the industries. The balance of Rs. 40 crores is attributed to the use of fuel efficient equipment listed above and observance of energy conservation measures in the other sectors of economy.

**Onshore drilling in Orissa**

1770. SHRI JAGADISH JANI: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether the Oil India Limited has a proposal to go in for an onshore drilling contract in Orissa;

(b) if so, the name of the companies to whom such contract has been given;

(c) when was the letter of intent issued to the company; and

(d) by when the drilling is likely to commence?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER AND MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRIMATI SUSHILA ROHATGI): (a) Yes, Sir.

(b) M|s Richter Drilling Company of Australia.

(c) 22nd July, 1986.

(d) Drilling is expected to start by November, 1986.

**Amount earmarked for development of coal**

1771. SHRI JAGADISH JANI: Will the Minister of ENERGY be pleased to state:

(a) the total amount earmarked in the development of coal in the Seventh Five Year Plan period;

(b) the details of the development programme proposed to be implemented in the coal sector during the plan period and ;

(c) the names of coal mines which are proposed to be developed in Orissa during the Seventh Plan period?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) Seventh Plan outlay for the coal sector is as under:—

| | *Rs. in Crores* |
|---|---|
| 1. Coal India Ltd. | 6000.58 |
| 2. Singareni Collieries Company Limited | 580.00 |
| 3. Research and Development | 120.00 |

(b) The following steps have been included in the 7th Five Year Plan for the development of coal sector:

1. Target of coal production in 1989-90, the terminal year of the 7th Five Year Plan has been fixed at 226.00 million tonnes.

2. The target will be achieved by development of new coal mines and reconstruction of existing mines.

3. New Mining technologies would be applied in both underground and open cast mines.

4. Overall productivity (OMS) in Coal India Ltd. is expected to rise from 0.87 tonnes in 1984-85 to 1.21 tonnes in 1989-90.

5. Adequate steps would be taken to expedite the implementation of projects.

6. 15 new washeries have been identified to meet the requirement of washed coal during the Seventh Five Year and beyond.

7. The Seventh Plan envisage a major thrust in environmental management of coal projects.

8. Introduction of Mining electronics in coal sector is being given much importance.

9. In addition to the spill over of 26 schemes for the Sixth Plan, 25 new Research and Development Schemes are proposed to be taken up during the Seventh Plan period.

10. To improve power supply in the Bengal-Bihar coal region, 3 coal based captive power plants of 2x10 MW capacity each are planned to be set up in ECL, BCCL and CCL areas.

(c) The following coal mines are proposed to be developed in Orissa during the Seventh Five Year Plan.

1. Jagannath
2. Bharatpur
3. Belpahar I
4. Lajkura I
5. Talcher
6. South Balanda
7. Kalinga West
8. Ananta OC
9. Nandira
10. Ananta UG
11. Lajkura II
12. Belpahar II
13. Kudopalli.

**Production of Oil and Natural Gas**

1772. SHRI JAGADISH JANI: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether any specific plan has been drawn up by ONGC to step up the production of oil and natural gas during the Seventh Plan period; and

(b) if so, what are the areas identified by ONGC and the amount earmarked for augmenting production of oil and natural gas in the plan period; and the other details thereof?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER AND MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRIMATI SUSHILA ROHATGI): (a) Yes, Sir.

(b) During the Seventh Plan period, production is envisaged from Cambay, Upper Assam and Bombay Offshore basins. The VII Plan outlay of ONGC for exploration and production of oil and natural gas is Rs. 8752.67 crores. The production is expected to increase as follows:—

| | 1985-86 (Actual) | 1989-90 (Target) |
|---|---|---|
| (i) Crude Production (million tonnes) . . | 27·51 | 31·15 |
| (ii) Natural Gas Production (billion cubic metres) | 6·58 | 13·55 |